EXECUTIVE SUMMARY

Shaw Environmental, Inc. (Shaw; formerly IT Corporation) has prepared this Project Closeout Plan (Remedial Action Report) to document the post Record of Decision (ROD) remedial action activities related to Defense Site Environmental Reporting and Tracking System (DSERTS) 67 at the Defense Distribution Depot San Joaquin (DDJC)-Tracy Site, Tracy, California.

Remedial action activities were conducted at DSERTS 67 between April 8 and July 31, 2002. These activities were to satisfy requirements prescribed in the *Final Site-Wide Comprehensive Record of Decision (ROD), Defense Distribution Depot San Joaquin (DDJC), Tracy Site, Tracy, California* (Radian International [Radian], 1998) and the 2004 Explanation of Significant Differences (ESD) to the *Site-Wide Comprehensive ROD* (URS Corporation [URS], 2004). The work was conducted in accordance with procedures presented in the *Final Remedial Action Documents (RAD) for SWMU 8 Large Excavation Site and Northern Depot Area (DSERTS 67) Cover Installation* (IT, 2001a), and approved Field Work Variances (FWVs).

The remedy recommended by the ROD was to construct an asphalt cap (approximately 138,000 square feet [ft^2] in area) for protection of onsite workers ("grader operators") from soils containing elevated levels of arsenic and manganese. However, during the DDJC-Tracy Remedial Project Managers meeting held on July 22, 1999, it was agreed that the ROD-required asphalt cap was overly conservative based on limited future land use and associated risk exposure scenarios. Alternative remedies were evaluated and an aggregate base (AB) cover was selected as being equivalent to the ROD-required remedy (IT, 2001b and 2001c). This alternative remedy was documented in the ESD (URS, 2004), Section 6.2.2.

Furthermore, a Design Data Collection Effort (DDCE) was initiated to further assess the nature and extent of contamination at DSERTS 67 (IT, 2001a) and to define the lateral extents of the AB cover. Based on the results of the DDCE, the limits of the area requiring the AB cover were reduced from the 138,000 ft^2 estimated in the ROD to approximately 63,500 ft^2. The area excluded from capping lies to the north and west of the groundwater extraction well access road and drainage ditch. This excluded section of the Northern Depot Area is mostly covered by structures related to the Operable Unit 1 treatment system, by existing asphalt pavement, by railroad lines, and/or by a layer of gravel, thereby minimizing worker exposure to soil contaminants. This alternative area of coverage was documented in the ESD (URS, 2004), Sections 6.1.2.2, 6.2.3 and 6.2.4.

Construction activities at DDJC-Tracy related to DSERTS 67 were started on April 8, 2002. Specific construction activities conducted to meet the ROD requirements at DSERTS 67 included:

- Construction of a minimum 6-inch thick AB cover (over the area identified in the DDCE and ESD) including subgrade preparation, placement and compaction of AB, and application of Soil Sement, a soil stabilizer; and
- Construction of a drainage swale along the southern edge of the AB cover including channel excavation, AB placement and compaction, and Soil Sement application.

The AB cover and drainage swale at DSERTS 67 were completed in the area of concern on May 3, 2002. Minor deficiencies in the AB cover were corrected at the end of July 2002. The AB cover is intended to provide a barrier between on-site workers and the arsenic and manganese concentrations detected in the soils. The potential non-carcinogenic risk to construction workers during grading operations at DSERTS 67 has been mitigated by the installation of the AB cover and the addition and administration of institutional controls.